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L3	847	imag\$3 and (glar\$ or reflect\$7) and siz\$5 and refract\$7 and ((separat\$7 or distanc\$) near3 (equat\$5 or formula\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:36
L4	359	L3 and (velocit\$ or flux\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:39
L5	3857	imag\$3 and (glar\$ or reflect\$) and (separation near4 distanc\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:40
L6	410	5 and velocit\$ and refract\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:40
L7	3	6 and (mass near3 flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:41
L8	44	imag\$3 and (mass near3 flux) and velocity and (glar\$ or reflect\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:45
L9	54	((two near3 phase) near4 flow\$5) and (mass near3 flux) and velocit\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:46
S1	3632	382/103,104,107;73/488;348/154, 155;356/27,28,28.5.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:52
S2	2	382/103,104,107;73/488;348/154, 155;356/27,28,28.5.cccls. and (mass near1 flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:17
S3	648	382/103,104,107;73/488;348/154, 155;356/27,28,28.5.cccls. and (size\$1 and velocit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:20

S4	80	382/103,104,107;73/488;348/154, 155;356/27,28,28.5.cccls. and (particle\$1 near3 (size\$1 and velocit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:21
S5	3	(mass near3 flux) and (entrained near1 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:24
S6	148	(mass near3 flux) and (two near3 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:49
S7	72	((mass near3 flux) and (two near3 phase)) and (size\$1 and velocit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:33
S8	60	(mass near3 flux) and ((two near3 phase) near3 flow\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:27
S9	37	((mass near3 flux) and ((two near3 phase) near3 flow\$1)) and (size\$1 and velocit\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:27
S10	7	(((mass near3 flux) and ((two near3 phase) near3 flow\$1)) and (size\$1 and velocit\$6)) and imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:47
S11	148	(mass near3 flux) and (two near3 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:49
S12	25	((mass near3 flux) and (two near3 phase)) and imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:54
S13	21	((determin\$3 or calculat\$4) near4 (particle\$1 near3 (size\$1 and velocit\$5))) same imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 10:56

S14	3486	two near2 phase near2 flow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:24
S15	205	(two near2 phase near2 flow) and imag\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:10
S16	74	((two near2 phase near2 flow) and imag\$4) and (size\$1 and velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:14
S17	10	((two near2 phase near2 flow) and imag\$4) and (determin\$ near4 (size\$1 and velocit\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:12
S18	64	(((two near2 phase near2 flow) and imag\$4) and (size\$1 and velocit\$4)) not (((two near2 phase near2 flow) and imag\$4) and (determin\$ near4 (size\$1 and velocit\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:14
S19	24	flow same (determin\$6 near3 (particle\$1 near3 (size\$1 and velocit\$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:25
S20	256	entrained near1 phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:44
S21	92	(entrained near1 phase) and size\$1 and velocit\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:47
S22	2	(entrained near1 phase) and (determin\$6 near3 (size\$1 and velocit\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 13:48
S23	2	(mass near2 flux) same (entrained near3 phase) same (size\$1 and velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:08

S24	2	(mass near2 flux) and (entrained near3 phase) same (size\$1 and velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:09
S25	15	(mass near2 flux) and (entrained near3 phase) and (size\$1 and velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:11
S26	51	DPIV	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:45
S27	19	DPIV and size	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:51
S28	12	DPIV and velocity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 14:52
S29	1139	piv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 15:02
S30	144	piv and velocity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 15:04
S31	16	(piv and velocity) and (two near3 phase\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/31 15:05
S32	664	velocimetry	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 08:08
S33	296	velocimetry and size and velocity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 08:09

S34	239	(velocimetry and size and velocity) and (reflect\$6 or illuminat\$6 or spot\$1 or glare)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 08:11
S35	4	((velocimetry and size and velocity) and (reflect\$6 or illuminat\$6 or spot\$1 or glare)) and (mass near2 flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 08:11
S36	10	Velocimetry and (MIE near2 theory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 10:15
S37	403	MIE near2 theory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 10:15
S38	102	(MIE near2 theory) and (siz\$3 and velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 10:23
S39	7	((MIE near2 theory) and (siz\$3 and velocit\$4)) and (two near2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/01 10:23
S40	37	(US-5905568-\$ or US-5610703-\$ or US-6525822-\$ or US-5880377-\$ or US-6665636-\$ or US-5231463-\$ or US-5963311-\$ or US-6710799-\$ or US-6399390-\$ or US-5698397-\$ or US-6685759-\$ or US-6549275-\$ or US-5679907-\$ or US-4885473-\$ or US-6049382-\$ or US-4854705-\$ or US-4737648-\$ or US-4622642-\$ or US-5047612-\$ or US-4988191-\$ or US-6580503-\$ or US-4986659-\$ or US-4329054-\$ or US-4015135-\$ or US-5701172-\$ or US-6700652-\$).did. or (US-6549274-\$ or US-6542226-\$ or US-5982478-\$ or US-5793478-\$).did. or (US-20010040214-\$ or US-20030218673-\$ or US-20030066358-\$ or US-20030133096-\$ or US-20020145726-\$).did. or (EP-837315-\$).did. or (US-20010040214-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2004/04/05 09:19

S41	3	((US-5905568-\$ or US-5610703-\$ or US-6525822-\$ or US-5880377-\$ or US-6665636-\$ or US-5231463-\$ or US-5963311-\$ or US-6710799-\$ or US-6399390-\$ or US-5698397-\$ or US-6685759-\$ or US-6549275-\$ or US-5679907-\$ or US-4885473-\$ or US-6049382-\$ or US-4854705-\$ or US-4737648-\$ or US-4622642-\$ or US-5047612-\$ or US-4988191-\$ or US-6580503-\$ or US-4986659-\$ or US-4329054-\$ or US-4015135-\$ or US-5701172-\$ or US-6700652-\$).did. or (US-6549274-\$ or US-6542226-\$ or US-5982478-\$ or US-5793478-\$).did. or (US-20010040214-\$ or US-20030218673-\$ or US-20030066358-\$ or US-20030133096-\$ or US-20020145726-\$).did. or (EP-837315-\$).did. or (US-20010040214-\$).did.) and (mass near2 flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 08:12
S42	70	(US-5905568-\$ or US-5610703-\$ or US-6525822-\$ or US-5880377-\$ or US-6665636-\$ or US-5231463-\$ or US-5963311-\$ or US-6710799-\$ or US-6399390-\$ or US-5698397-\$ or US-6685759-\$ or US-6549275-\$ or US-5679907-\$ or US-4885473-\$ or US-6049382-\$ or US-4854705-\$ or US-4737648-\$ or US-4622642-\$ or US-5047612-\$ or US-4988191-\$ or US-6580503-\$ or US-4986659-\$ or US-4329054-\$ or US-4015135-\$ or US-5701172-\$ or US-6700652-\$).did. or (US-6549274-\$ or US-6542226-\$ or US-5982478-\$ or US-5793478-\$).did. or (US-20010040214-\$ or US-20030218673-\$ or US-20030066358-\$ or US-20030133096-\$ or US-20020145726-\$).did. or (EP-837315-\$).did. or (US-20010040214-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2004/04/05 09:19

S43	37	(US-5698397-\$ or US-5963311-\$ or US-6399390-\$ or US-6710799-\$ or US-5231463-\$ or US-6665636-\$ or US-4988191-\$ or US-5610703-\$ or US-5793478-\$ or US-5905568-\$ or US-5982478-\$ or US-6542226-\$ or US-6549274-\$ or US-6700652-\$ or US-5701172-\$ or US-4015135-\$ or US-4329054-\$ or US-4986659-\$ or US-6580503-\$ or US-4622642-\$ or US-4737648-\$ or US-4854705-\$ or US-6049382-\$ or US-6525822-\$ or US-5880377-\$ or US-4885473-\$).did. or (US-5679907-\$ or US-6549275-\$ or US-6685759-\$ or US-5047612-\$).did. or (US-20010040214-\$ or US-20030218673-\$ or US-20020145726-\$ or US-20030133096-\$ or US-20030066358-\$).did. or (EP-837315-\$).did. or (US-20010040214-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2004/04/05 09:22
S44	13	((US-5698397-\$ or US-5963311-\$ or US-6399390-\$ or US-6710799-\$ or US-5231463-\$ or US-6665636-\$ or US-4988191-\$ or US-5610703-\$ or US-5793478-\$ or US-5905568-\$ or US-5982478-\$ or US-6542226-\$ or US-6549274-\$ or US-6700652-\$ or US-5701172-\$ or US-4015135-\$ or US-4329054-\$ or US-4986659-\$ or US-6580503-\$ or US-4622642-\$ or US-4737648-\$ or US-4854705-\$ or US-6049382-\$ or US-6525822-\$ or US-5880377-\$ or US-4885473-\$).did. or (US-5679907-\$ or US-6549275-\$ or US-6685759-\$ or US-5047612-\$).did. or (US-20010040214-\$ or US-20030218673-\$ or US-20020145726-\$ or US-20030133096-\$ or US-20030066358-\$).did. or (EP-837315-\$).did. or (US-20010040214-\$).did.) and gaussian	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 09:22
S45	2763	"two phase flow"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 09:29
S46	1	"two phase flow" and (pixel\$1 near3 (zero and (non-zero)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 09:30

S47	654	(pixel\$1 near3 (zero and (non-zero)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 09:30
S48	2	((pixel\$1 near3 (zero and (non-zero)))) and (particle near3 flow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/05 09:31
S49	3909	382/103,104,107;73/488;348/154, 155;356/27,28,28.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:54
S50	1606	S49 and (glar\$ or reflect\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:55
S51	883	S50 and size\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:57
S52	289	S50 and (size\$ and diameter)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:57
S53	220	S52 and (flux\$3 or velocit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 15:59
S54	97	S53 and refract\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:01
S55	58	S53 and refract\$ and equat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:02
S56	847	imag\$3 and (glar\$ or reflect\$7) and siz\$5 and refract\$7 and ((separat\$7 or distanc\$) near3 (equat\$5 or formula\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:04

S57	350	S56 and (velocity or flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:05
S58	359	S56 and (velocit\$ or flux\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/28 16:36



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mass flux

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1 Estimation of heat and mass fluxes from IR brightness temperature

Olioso, A.; Taconet, O.; Ben Mehrez, M.;
Geoscience and Remote Sensing, IEEE Transactions on, Volume: 34, Issue: 5, Sept. 1996

Pages:1184 - 1190

[\[Abstract\]](#) [\[PDF Full-Text \(632 KB\)\]](#) IEEE JNL**2 Charge and mass flux in the radial electric field of an evaporating charged water droplet: an experimental analysis**

Law, S.E.;
Industry Applications, IEEE Transactions on, Volume: 25, Issue: 6, Nov.-Dec. 1989

Pages:1081 - 1087

[\[Abstract\]](#) [\[PDF Full-Text \(548 KB\)\]](#) IEEE JNL**3 Void formation in a copper-via-structure depending on the stress free temperature and metallization geometry**

Weide-Zaage, K.; Dalleau, D.; Danto, Y.; Fremont, H.;
Thermal and Mechanical Simulation and Experiments in Microelectronics and Microsystems, 2004. EuroSimE 2004. Proceedings of the 5th International Conference on, 2004

Pages:367 - 372

[\[Abstract\]](#) [\[PDF Full-Text \(1224 KB\)\]](#) IEEE CNF**4 Electrohydrodynamically enhanced flow boiling in an eccentric horizontal cylindrical channel***Cotton, J.S.; Chang, J.S.; Shoukri, M.; Smith-Pollard, T.;*

Electrical Insulation and Dielectric Phenomena, 2002 Annual Report Conference , 20-24 Oct. 2002
Pages:220 - 223

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) [IEEE CNF](#)

5 The CryoSat Earth Explorer Opportunity Mission-system calibration : mission performance

Rostan, F.; Mallow, U.;
Geoscience and Remote Sensing Symposium, 2001. IGARSS '01. IEEE 2001 International , Volume: 1 , 9-13 July 2001
Pages:552 - 554 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(159 KB\)\]](#) [IEEE CNF](#)

6 Estimation of evapotranspiration using SVAT models and surface IR temperature

Olioso, A.; Taconet, O.; Mehrez, B.; Nivoit, D.; Promayon, F.; Rahmoune, L.;
Geoscience and Remote Sensing Symposium, 1995. IGARSS '95. 'Quantitative Remote Sensing for Science and Applications', International , Volume: 1 , 10-July 1995
Pages:516 - 518 vol.1

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7 Thermal management using synthetic jet ejectors

Mahalingam, R.; Rumigny, N.; Glezer, A.;
Components and Packaging Technologies, IEEE Transactions on [see also Components, Packaging and Manufacturing Technology, Part A: Packaging Technologies, IEEE Transactions on] , Volume: 27 , Issue: 3 , Sept. 2004
Pages:439 - 444

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) [IEEE JNL](#)

8 Directional effects in a daily AVHRR land surface temperature dataset over Africa

Pinheiro, A.C.T.; Privette, J.L.; Mahoney, R.; Tucker, C.J.;
Geoscience and Remote Sensing, IEEE Transactions on , Volume: 42 , Issue: 9 , Sept. 2004
Pages:1941 - 1954

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9 Critical boiling, vapor block, and prospects for control of miniquench channel-cooled magnets

Sydoriak, S.;
Magnetics, IEEE Transactions on , Volume: 15 , Issue: 1 , Jan 1979
Pages:741 - 743

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10 Nature of convection-stabilized DC arcs in dual-flow nozzle geometries II. Optical diagnostics and theory

Serbetci, I.; Nagamatsu, H.T.;
Plasma Science, IEEE Transactions on, Volume: 18, Issue: 1, Feb. 1990
Pages:102 - 114

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11 Combination probe for hi-frequency unsteady aerodynamic measurements

Ng, W.F.; Popernack, T.G., Jr.;
Aerospace and Electronic Systems, IEEE Transactions on, Volume: 24, Issue 1, Jan. 1988
Pages:76 - 84

[\[Abstract\]](#) [\[PDF Full-Text \(656 KB\)\]](#) [IEEE JNL](#)

12 Plausible origin of electromigration lifetime extrapolation difference between wafer level isothermal test and package level constant current test

Wang, C.S.; Chen, M.J.; Chang, W.C.; Ke, W.S.; Lee, C.F.; Su, K.C.; Chou, E.
Physical and Failure Analysis of Integrated Circuits, 2004. IPFA 2004. Proceed of the 11th International Symposium on the, 5-8 July 2004
Pages:169 - 172

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) [IEEE CNF](#)

13 Experimental study of R134a condensation heat transfer inside the horizontal micro-fin tubes

Qinghua Chen; Mingdao Xin; Amano, R.S.;
Thermal and Thermomechanical Phenomena in Electronic Systems, 2004. ITH '04. The Ninth Intersociety Conference on, Volume: 2, 1-4 June 2004
Pages:40 - 46 Vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(477 KB\)\]](#) [IEEE CNF](#)

14 Study of refrigerated mechanism of evaporative of air-water annular two-phase flow in a small vertical tube

Wang Jing; YI Jie;
Thermal and Thermomechanical Phenomena in Electronic Systems, 2004. ITH '04. The Ninth Intersociety Conference on, 1-4 June 2004
Pages:251 - 258 Vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(532 KB\)\]](#) [IEEE CNF](#)

15 CHF for uniformly heated vertical tube under low pressure and low conditions [nuclear power plants]

Shim, W.J.; Jae Hyok Lim; Gyoo Dong Jeun;
Energy Conversion Engineering Conference and Exhibit, 2000. (IECEC) 35th Intersociety, Volume: 1, 24-28 July 2000
Pages:411 - 419 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(496 KB\)\]](#) [IEEE CNF](#)

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